CITY OF SAN JOSÉ, CALIFORNIA

Building Division Informational Handout

Express Plan Check Requirements for Sub-trades (Plumbing, Mechanical, and Electrical)

Handout No. 2-6 Published: 8/21/00 Revised 11-23-05 Page 1 of 2

Express plan check is an expedited review process for less complicated Plumbing, Mechanical and Electrical plan checks.								
Plan Check	for:	Plumbing	☐ Mechanical	☐ Electrical				
To obtain a	an express plan	review appoint	tment you must comp	ly with the following:				
refundat to your o time no	ole plan review fee credit card. If you fee will be assesse	e will be assessed cancel your apported.	at the time of appointme bintment by 10:00 AM th	24 hours in advance. A non- ent request which will be charged the day prior to your appointed				
integrat	2. Appointments are available Monday through Friday between 8:00 AM and 11:00 AM. for integrated project review (sub-trade reviews submitted with building review) and from 1:00 to 2:00 P.M. for individual reviews.							
	st have one of the	C						
	lding Plan Check lding Permit Num			_				
	•		des only Plumbing, Mec	— hanical or Electrical.				

The following must be completed prior to your appointment:

- Building Permit form completed
- The applicable minimum document submittal checklist must be completed.
- The Sub-trade fee estimate worksheet must be completed.

Projects that Qualify for Express Plan Check are as follows: (See attached quick reference for definitions of occupancy groups)

- The project is a tenant improvement for an existing space and the total area of improvement is less than 20,000 square feet.
- The occupancy group per 97'UBC for the tenant area is either a B, F, M, S1, S2 or a car service station classified as an S3 occupancy.
- If the project includes an approved spray booth, Fire Departmental approval must be provided.
- If the project is a food and drinking establishments (restaurant) classified as a B occupancy, the dining area must be less than 750 sq. ft. and a stamped approved set of Health Department and Water Pollution Control plans must be provided.
- Plans must be prepared according to the Building Division's published minimum submittal requirements.
- Two (2) sets of plans stamped and signed by the design professional must be provided, a Plumbing, Mechanical Electrical contractor may sign the plan.
- In order to facilitate recycling of plans please have plans prepared as recyclable black line prints.
- A representative who is authorized to make red-mark changes to the plan must be present.
- The following occupancy groups do NOT qualify for express plan check: A, E, H, S3 parking garage, S4, H, I, or R1.

Building requires a reservation deposit be provided to secure an appointment. The reservation fee will be a one-hour minimum fee, which will be credited toward your plan review fee when you come at the appointed time. No shows or late cancellations will be assessed a one hour minimum fee which will not be credited toward any other service at another time.

The Fee for an Express Plan Check is \$255.00 per hour.

In order to facilitate recycling of plans please have plans prepared as recyclable black line prints.

Quick Reference on Selected Occupancy Groups per 97' UBC

*Note: Refer to 97'UBC for a complete list and details. Check with your architect or building official for accurate occupancy classification.

The Following Occupancy Groups May Qualify For P/M/E Express Plan Check for Tenant Improvements less than 20,000 sq. ft..

Group B: Business. Buildings used for office, professional or service-type transactions. Some examples are banks, medical offices, beauty shops, professional offices, or similar uses. Dining areas less than 750 sq. ft. may be classified as B occupancies.

Group F: Factory and Industrial. Buildings used for industrial assembling, fabricating, finishing, manufacturing, packaging, repair or processing operations that are not classified as Group H Occupancies. Some examples are processing facilities for: clothing, machinery, plastic products, woodworking, glass products, steel products, engines, photographic film, furniture, and similar uses.

Group M: Mercantile. Buildings used for display and sale of merchandise, such as department stores, drug stores, markets, shopping centers, or retail stores.

Group S: Storage. Buildings used for storage (not classified as H occupancies), such as warehouses (S1 or S2) or repair garages that have no open flame (S3).

The Following Occupancy Groups Do Not Qualify for P/M/E Express Plan Check:

Group A: Assembly Buildings. The use of a building, room or space for gathering together of 50 or more persons for civic, social or religious functions, recreation, education or instruction, food or drink consumption, or awaiting transportation. Some examples are churches, dinning & drinking establishments (restaurants), theaters, gymnasiums, auditoriums, lounges, classrooms, conference facilities, or similar uses.

Group E: Educational. Buildings used for education through 12th grade or day-care purposes, such as high/middle/elementary schools, or day-care centers.

Group H: Hazardous. Buildings or portions thereof that involve the manufacturing, processing, generation or storage of materials that constitute a high fire, explosion or health hazard that the amount used has been determined by the Fire Department to be in the Group H occupancies. Some examples are repair garage with welding, chemical storage rooms, semiconductor facilities, chemical plants, battery rooms, and similar uses.

Group I: Institutional. Buildings used for nurseries, hospitals, nursing homes, jails, and similar uses.

Group R-1: Residential. Buildings such as motels, hotels, and apartments classified as R1.

Group S3 & S4: Closed parking garages (S3), and open parking garages (S4).

City Of San Jose Building Permit

Ι	ssuance Date:/ Issued By:
	nd fill in all that apply)
PROJECT ADDRESS:	
ASSESSOR PARCEL #	CITY: San Jose/Santa Clara County □ ARCHITECT □ ENGINEER
A DDI ICANTECNIANTE	
APPLICANTS NAME:	LICENSE/REGISTRATION #:
MAILING ADDRESS:	NAME:
CITY/STATE/ZIP:	COMPANY NAME:
PHONE #: () FAX #: ()	MAILING ADDRESS:
E-MAIL ADDRESS:	CITY/STATE/ZIP:
TENANT COMPANY NAME:	PHONE #: () FAX #: ()
OWNERS NAME:	E-MAIL ADDRESS:
PHONE #: () FAX #: ()	
(Jurisdictions may require written approval from the owner)	
PROJECT CONTACT PERSON:	PHONE #: () FAX #: ()
ADDRESS:	E-MAIL ADDRESS:
LICENSE #: LIC. CLASS(ES):	ACTOR PHONE #: ()
COMPANY NAME:	FAX #: ()
ADDRESS:	E-MAIL ADDRESS:
CITY/STATE/ZIP:	BUSINESS LIC #:
Licensed Contractors Declaration: I hereby affirm <i>under penalty of perjury</i> that I am I of the Business and Professions Code, and my license is in full force and effect. Date:	icensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 Contractor Signature:
 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt by any applicant for a permit subjects the applicant to a civil penalty of not more than I, as owner of the property, or my employees with wages as their sole compensa Business and Professions Code: The Contractor License Law does not apply to himself or herself or through his or her own employees, provided that the improvimprovement is sold within one year of completion, the owner-builder will have I, as owner of property, am exclusively contracting with licensed contractors to a License Law does not apply to an owner of property who builds or improves the Contractors License Law). 	improve, demolish, or repair any structure, prior to its issuance, also requires the the provisions of the Contractors License Law (Chapter 9, (commencing with Section therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 five hundred dollars (\$500): tion, will do the work, and the structure is not intended or offered for sale (Sec. 7044, an owner of property who builds or improves thereon, and who does such work
Date: Owner Signature:	
the work for which this permit is issued.	the following declarations: pensation, as provided for by Section 3700 of the Labor Code, for the performance of on 3700 of the Labor Code, for the performance of the work for which this permit is
CARRIER:	POLICY NO
(This section need not be completed if the permit is for one hundred dollars (\$100) or I certify that, in the performance of the work for which this permit is issued, I she compensation laws of California, and agree that if I should become subject to the forthwith comply with those provisions.	all not employ any person in any manner so as to become subject to the workers'
Date: Applicant Signature: WARNING: Failure to secure workers' compensation coverage is unlawful, and shal dollars (\$100,000), in addition to the cost of compensation, damages as provided for in	I subject an employer to criminal penalties and civil fines up to one hundred thousand in Section 3706 of the Labor Code, interest, and attorney fees.
<u>Construction Lending Agency Declaration</u> : I hereby affirm <i>under penalty of perjury</i> this permit is issued (Sec. 3097. Civ. C.).	hat there is a construction lending agency for the performance of the work for which
Lender's Name: Lender's Address:	
I Certify that I have read this application and state that the above information is correct building construction and hereby authorize representatives of this county to enter upon Signature of Applicant/Agent:	t. I agree to comply with all city and county ordinances and state laws relating to a the above-mentioned property for inspection purposes.
Printed Name of Applicant/Agent:	

PERMIT #:



	Date:	Date:			
	Plan Check Int:				
<u>Minimur</u>	n Document Submittal Ch	<u>ecklist - Plun</u>	<u>ıbing</u>		
Project Name:			PC#		
Project Address:					
	this checklist as a reference guide prior		or complet	eness chec	ck.
Residential: New		_	☐ New		TI
Residential. — I tev	- merunon	Documents			
		Submitted			4
Do	cuments	Applicant	Inta	ake	PC
Submittal Form or Buildin	g Permit Form Completed	•	☐ Yes	□ No	
Fee Estimate Worksheet co			☐ Yes	□ No	
Site plan			☐ Yes	□ No	
Scope of Work on Cover S	heet		☐ Yes	□ No	
Plumbing Fixture Schedule	e		☐ Yes	□ No	
Material list for waste, ven	t, water, gas and condensate		☐ Yes	□ No	
piping	-				
Square footage of the proje	ect		☐ Yes	□ No	
Floor layout with dimension	ons		☐ Yes	□ No	
Legend for symbols			☐ Yes	□ No	
	nd isometric drawing of waste		☐ Yes	□ No	
and vent					
	nd isometric drawing of water		☐ Yes	□ No	
piping					
Calculation for pipe sizing			☐ Yes	□ No	
Low and high static water			☐ Yes	□ No	
	nd isometric drawing of gas		☐ Yes	□ No	
piping	ad a service d Des		☐ Yes	□ N ₂	
One line plumbing plans of	nd associated Btu f condensate piping system		☐ Yes	□ No	
			□ Yes	□ No	
Food and Drinking Estab	t and San Jose Water Pollution		☐ Yes	□ No	
Control Plans	and San Jose Water I offution		l les	l l No	
Approved Spray Booth			☐ Yes	□ No	
Water supply and backflow down filter system	v protection for any water wash		☐ Yes	□ No	
Method of disposal of the	waste water		☐ Yes	□ No	
	To be filled out by Appli				
I understand that an incom	plete plan check submittal may r	esult in delays ir	n plan ch	eck.	
Applicant Name	Signature		Date		



TAL OF SILICON VALLEY					
Da	ate: ake Int:	Date:			
Int	ake Int:	Plan Check In	nt:		
<u>Minimum</u>	<u>n Document Submitta</u>	al Checklist	- Mech	<u>anical</u>	
Project Name:		1	PC#		
Project Address:					
Permit Center Staff will review this check	tlist as a reference guide prior to	o plan submittal fo	or complet	eness ched	ck.
	U 1	•	□ New		TI
residential. They		Documents		nents Re	
		Submitted			4
Document	S	Applicant	Inta	ake	PC
Submittal Form or Building Permit		Applicant	☐ Yes	□ No	10
Fee Estimate Worksheet completed	*		☐ Yes	□ No	
Site Plan	.1		☐ Yes	□ No	
Scope of Work on Cover Sheet			☐ Yes	□ No	
Title 24 Energy			☐ Yes		
Mechanical Equipment Schedule R	Pated in RTII's/hrs		☐ Yes		
Square footage of the project	Cated III D T C 5/III 5		☐ Yes		
Floor layout with dimensions			☐ Yes		
Legend for symbols			☐ Yes		
Locations, sizes and materials of al	Il aquinment		☐ Yes		
Locations of all air dampers, fire d			☐ Yes		
dampers, and combustion-products			□ Yes	l l No	
Fire-resistive separations detailed	type smoke detectors		☐ Yes	□ No	
Corridor construction details with o	onenings and		☐ Yes	□ No	
penetrations detailed	openings and				
Food & Drinking Establishments	5		☐ Yes	□ No	
County Health Department and Sar	n Jose Water Pollution		☐ Yes	□ No	
Control approved plans for review					
HVAC plans showing all units, size			☐ Yes	□ No	
showing locations of roof equipme					
exhaust or make-up air to building	openings and from				
property lines Cut sheets on all hoods, exhaust far	ne make un air unite and		☐ Yes	□ No	
equipment under hoods	ns, make-up an umis and		Lies	L NO	
Calculations for all hoods			☐ Yes	□ No	
Spray Booth			☐ Yes	□ No	
Copy of approved spray booth listi	ng		☐ Yes	□ No	
Btu of heating units listed	**5		☐ Yes	□ No	
Roof plan showing locations of ext	haust outlet and make-up		☐ Yes	□ No	
air per 1997 UMC Section 505.9	naust outlet and make up		_ 105	_ 1,0	
	Γο be filled out by Applica	ant	-	-	_
I understand that an incomplete pla	• • •		ı plan ch	eck.	
	•	•	±		
Applicant Name	Signature	I	Date		



ITAL OF SILICON VALLEY	Date:	Date:			
	Date: Intake Int:	Plan Check In	nt:		<u> </u>
Minimun	1 Document Submittal Ch	ecklist - Elec	trical		
Project Name:		l	PC#		
Project Address:					
Permit Center Staff will review t	his checklist as a reference guide prior	to plan submittal fo	or complet	eness ched	ek.
Residential: New	☐ Alteration	Com/Ind:	□ New		TI
		Documents Submitted	Docun	nents Ro	equired
Doo	cuments	Applicant	Inta	ake	PC
Submittal Form or Building			☐ Yes	□ No	
Fee Estimate Worksheet co	mpleted		☐ Yes	□ No	
Site Plan			☐ Yes	□ No	
Scope of Work on Cover S	heet		☐ Yes	□ No	
Single line diagram includi	ng Main Switch Board		☐ Yes	□ No	
Electrical load calculations	including Main Switch Board		☐ Yes	□ No	
Electrical Panel Schedules			☐ Yes	□ No	
Square footage of project			☐ Yes	□ No	
Floor plan showing power of	circuitry and panel locations		☐ Yes	□ No	
Reflected ceiling plan show switching	-		☐ Yes	□ No	
receptacles	ounted equipment and service		☐ Yes	□ No	
Electrical room floor plan v	with dimensions in 1/4" scale		☐ Yes	□ No	
Title 24 Energy Lighting D	ocumentation		☐ Yes	□ No	
AIC rating on new electrica	al service		☐ Yes	□ No	
Letter from PG&E for avail Service	lable fault current at Main		☐ Yes	□ No	
I understand that an incomp	To be filled out by Appli- plete plan check submittal may r		ı plan ch	eck.	
			•		
Applicant Name	Signature	J	Date		

Sub-trade Fee Estimate Worksheet for Building Uses For Commercial/Industrial Multifamily Projects

Applicant must complete column C List all uses that have different valuations separately

Sub-trade Permit Fee based on Square Foot						
Address:	PC#					
A	Sub-Trade Permit					
Use	Square	Minimum	Sq. Ft.	Multiply Columns		
	Foot Rate	Permit Fees		B x D		
Assembly Occupancies	\$0.10	\$159.00		\$		
Hazardous Use	\$0.22	\$212.00		\$		
Hotel / Motel	\$0.10	\$159.00		\$		
Kitchen	\$0.22	\$212.00		\$		
Manufacturing	\$0.15	\$159.00		\$		
Medical / Dental Offices	\$0.15	\$212.00		\$		
New Single Family (excluding garages)	\$0.09	\$159.00		\$		
New Multi-Family (excluding garages)	\$0.10	\$159.00		\$		
Offices / Shell Speculative Uses	\$0.06	\$159.00		\$		
Parking Structure	\$0.01	\$159.00		\$		
Repair Garage, Gas Station	\$0.22	\$212.00		\$		
Research & Development	\$0.15	\$159.00		\$		
Residential Additions	\$0.15	\$159.00		\$		
Restaurant / Market	\$0.22	\$212.00		\$		
Restrooms / Showers	\$0.22	\$159.00		\$		
Server Farm	\$0.15	\$159.00		\$		
Store / Retail	\$0.15	\$159.00		\$		
Warehouses / Storage	\$0.04	\$159.00		\$		
All Other	\$0.12	\$159.00		\$		
	Total	\$				
Partial (circle applicable) Underslab Core Finish	1			\$		

Fee Based on Areas of Installation							
# of Areas Rate Multiply # of areas x Rate							
1 Inspection		\$53.00	Sub-total \$				
2 Inspection		\$106.00	Sub-total \$				
Total \$							



CITY OF SAN JOSÉ, CALIFORNIA Building Division Submittal Form

Sub-trade Fee Estimate Worksheet for Electrical Site Work

For Commercial/Industrial Multifamily Projects Applicant must complete column D

SITE CONSTRUCTION ELECTRICAL PERMIT FEES							
Address: PC#							
Item	B Unit Fee	C Minimum Permit Fee	D Number	Multiply Columns B X D Assessed Fee			
Add Air Conditioning	\$35.33	\$53.00		\$			
Annual Maintenance Fee	\$1,275.00	\$1,275.00		\$			
Appliance New	\$35.33	\$106.00		\$			
Appliance, Single Replacement	\$26.50	\$53.00		\$			
Appliance, Multiple Replacements	\$17.67	\$53.00		\$			
Billboards	\$106.00	\$106.00		\$			
Damage Survey Inspection	\$53.00	\$53.00		\$			
Generators up to 5KW	\$17.67	\$53.00		\$			
Generators up to 10KW	\$26.50	\$53.00		\$			
Generators up to 150KW	\$79.50	\$79.50		\$			
Generators over 150KW	\$106.00	\$106.00		\$			
House Move / Modular Buildings	\$106.00	\$106.00		\$			
Landscape Partitions (per connection)	\$8.83	\$53.00		\$			
Light Fixtures (new)	\$17.67	\$106.00		\$			
Light Fixtures (replacement)	\$8.83	\$53.00		\$			
Light Poles	\$35.33 \$106.00	\$159.00 \$106.00		\$ \$			
Modular Building							
Motors up to 1/2HP	\$8.83	\$53.00		\$			
Motors up to 10HP	\$17.67	\$53.00		\$			
Motors up to 25HP	\$26.50	\$53.00		\$			
Motors up to 40HP	\$35.33	\$53.00		\$			
Motors up to 55HP	\$44.17	\$53.00		\$			
Motors up to 75HP	\$61.83	\$61.83		\$			
Motors over 75HP	\$79.50	\$79.50		\$			
Panels, Panelboards, Switchboards, Etc.	\$8.83	\$53.00		\$			
Photovoltaic System (Single Family)	\$53.00	\$53.00		\$			
Photovoltaic System (Multi Fam/Comm/Ind)	\$106.00 \$17.67	\$106.00 \$106.00		\$ \$			
Receptacles/Switches, New	·						
Receptacles/Switches, Replacement	\$8.83	\$53.00		\$			
Service/Survey 1 meter up to 200A Service/Survey 1 meter to 600A	\$53.00 \$70.67	\$53.00 \$70.67		\$ \$			
	\$79.50	\$79.50		\$			
Service/Survey1 meter up to 1,200A Service/Survey 1 meter up to 1,800A	\$88.33	\$88.33		\$			
Service/Survey 1 meter up to 1,800A Service/Survey 1 meter to 2,500A	\$106.00	\$106.00		\$			
Service/Survey 1 meter to 2,500A Service/Survey 1 meter over 2.500A	\$132.50	\$100.00		\$			
Service/Survey additional meter	\$8.83	\$53.00		\$			
Signs/Outline Lighting	\$35.33	\$53.00		\$			
Solar System (includes all controls)	\$53.00	\$53.00		\$			
Spa/Hot tub Field Constructed	\$106.00	\$106.00		\$			
Spa/Hot tub Package Unit	\$53.00	\$53.00		\$			
Special Circuits	\$35.33	\$53.00		\$			
Spray Booth	\$106.00	\$106.00		\$			
Swimming Pool Complete	\$159.00	\$159.00		\$			
Swimming Pool Bond only	\$106.00	\$106.00	+	\$			
Temporary Power 1 meter up to 200A	\$53.00	\$53.00	+	\$			
Temporary Power 1 meter up to 200A Temporary Power 1 meter up to 600A	\$70.67	\$70.67	+	\$			
Temporary Power 1 meter up to 600A Temporary Power 1 meter over 1,200A	\$79.50	\$79.50		\$			
Temporary Power 1 meter over 1,2001	\$88.33	\$88.33		\$			
Temporary Power 1 meter up to 1,500A Temporary Power 1 meter up to 2,500A	\$106.00	\$106.00		\$			
Temporary Power 1 meter up to 2,300A Temporary Power 1 meter over 2,500A	\$132.50	\$132.50	1	Ψ			
Transformers up to 5KVA	\$17.67	\$53.00					
Transformers up to 10KVA	\$26.50	\$53.00					
Transformers up to 150KVA	\$79.50	\$79.50		\$			
Transformers over 150KVA	\$106.00	\$106.00		Ψ			
Welding Outlet	\$17.67	\$53.00		\$			
Troising Outlet	L	l .	⊥ Ill above listed items				

CITY OF SAN JOSÉ, CALIFORNIA

Building Division Submittal Form

<u>Sub-trade Fee Estimate Worksheet for Plumbing Site Work</u> <u>For Commercial/Industrial Multifamily Projects</u>

Applicant must complete column C

SITE CONSTRUCTION PLUMBING PERMIT FEES						
Address:	PC#					
Item	B Unit Fee	C Minimum Permit Fee	D Number	Multiply Columns B X D Assessed Fee		
Annual Maintenance Fee	\$1,275.00	\$1,275.00		\$		
Backflow or Vacuum breaker	\$17.67	\$53.00		\$		
Boiler	\$106.00	\$106.00		\$		
Chemical Waste Piping	\$17.67	\$53.00		\$		
Chemical waste Treatment Systems	\$70.67	\$106.00		\$		
Chemical Waste Secondary Containment	\$70.67	\$106.00		\$		
Condensate Waste &/or Inlet Drain	\$17.67	\$53.00		\$		
Dry Wells or French drains	\$17.67	\$53.00		\$		
DWV/Water Alteration	\$17.67	\$53.00		\$		
Fixture, New	\$35.33	\$106.00		\$		
Fixture, Single Replacement	\$26.50	\$53.00		\$		
Fixture, Multiple Replacement	\$17.67	\$53.00		\$		
Gas, Earthquake Valve	\$26.50	\$53.00		\$		
Gas Log Lighters	\$17.67	\$53.00		\$		
Gas Piping Extension (Final)	\$26.50	\$53.00		\$		
Gas Piping New or Extension (Rough & Final)	\$53.00	\$106.00		\$		
Gas Retest	\$26.50	\$53.00		\$		
Grease Trap	\$70.67	\$106.00		\$		
Indirect waste	\$17.67	\$53.00		\$		
Interceptor	\$70.67	\$106.00		\$		
Lift station	\$35.33	\$53.00		\$		
Property Line Clean Out	\$17.67	\$53.00		\$		
Re-Pipe	\$35.33	\$106.00		\$		
Re-Pipe W/Gyp Repair	\$70.67	\$212.00		\$		
Re-Pipe W/Gyp & Shear Repair	\$106.00	\$265.00		\$		
Roof Drain/Rainwater Leaders	\$17.67	\$106.00		\$		
Sanitary Sewer Disposal System	\$106.00	\$106.00		\$		
Sanitary or Storm Sewer Manhole	\$17.67	\$53.00		\$		
Sanitary Sewer per Building	\$17.67	\$53.00		\$		
Sanitary Sewer (common lateral)	\$17.67	\$53.00		\$		
Sanitary Sewer plug	\$17.67	\$53.00		\$		
Sanitary Sewer, Replacement	\$17.67	\$53.00		\$		
Sanitary or Storm Sewer connection	\$70.67	\$70.67		\$		
Septic tank/abatement/sewer survey	\$106.00	\$106.00		\$		
Solar Systems	\$35.33	\$53.00		\$		
Spa/Hot tub Field Constructed	\$106.00	\$106.00		\$		
Spray Booth	\$106.00	\$106.00		\$		
Steam /hot water system (Hydronics)	\$35.33	\$106.00		\$		
Storm Sewer inlets	\$17.67	\$53.00		\$		
Storm Sewer Area Drains	\$17.67	\$53.00		\$		
Swimming Pool	\$106.00	\$106.00		\$		
Water Heater, New	\$35.33	\$53.00		\$		
Water Heater, Replacement	\$26.50	\$53.00		\$		
Water Heater, Replacement (SFR)	\$26.50	\$26.50		\$		
Water Service (per outlet)	\$17.67	\$53.00		\$		
Water Service Replacement	\$17.67	\$53.00		\$		
Water Treatment Equipment	\$17.67	\$53.00		\$		
<u> </u>		rmit Fee (add all al	ove listed items			